

Title (en)
CONSTRUCTION MACHINE

Title (de)
BAUMASCHINE

Title (fr)
ENGIN DE CHANTIER

Publication
EP 4012116 A4 20230830 (EN)

Application
EP 20881631 A 20201028

Priority
• JP 2019198991 A 20191031
• JP 2020040447 W 20201028

Abstract (en)
[origin: EP4012116A1] There is provided a construction machine capable of performing hanging work according to the intention of an operator. A hydraulic excavator 1 includes: an operating lever 420 for performing a turning operation; the cameras 61, 62, 63 for detecting any obstacle; and a controller 8 for controlling the operations of a vehicle body and a front working device 5. In the hydraulic excavator 1, in a case where the obstacle is detected by any of the cameras 61, 62, 63, the controller 8 performs an operation limiting process. The hydraulic excavator 1 further includes a hook 53A, a mode selector switch 64 for switching the operation to a hanging work mode. In a case where the obstacle is detected by any of the cameras 61, 62, 63, the controller 8 disables the operation limiting process and controls the operation of the vehicle body or the front working device 5 according to the manipulated variable of the operating lever 420.

IPC 8 full level
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CPC (source: CN EP KR US)
B66C 23/88 (2013.01 - KR); **E02F 3/28** (2013.01 - CN); **E02F 3/36** (2013.01 - CN); **E02F 3/40** (2013.01 - CN); **E02F 3/42** (2013.01 - CN); **E02F 3/43** (2013.01 - CN); **E02F 3/962** (2013.01 - EP); **E02F 9/2029** (2013.01 - KR); **E02F 9/2033** (2013.01 - EP KR US); **E02F 9/22** (2013.01 - CN); **E02F 9/2221** (2013.01 - KR); **E02F 9/225** (2013.01 - CN); **E02F 9/226** (2013.01 - CN); **E02F 9/24** (2013.01 - KR US); **E02F 9/26** (2013.01 - KR); **E02F 9/262** (2013.01 - EP US); **E02F 3/435** (2013.01 - EP); **E02F 9/2285** (2013.01 - EP); **E02F 9/2296** (2013.01 - EP)

Citation (search report)
• [A] WO 2019139102 A1 20190718 - SUMITOMO SHI CONSTR MACH CO [JP]
• [AD] JP 2007023486 A 20070201 - CATERPILLAR MITSUBISHI LTD
• See references of WO 2021085477A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 4012116 A1 20220615; **EP 4012116 A4 20230830**; CN 114174598 A 20220311; CN 114174598 B 20221216; JP 2021071000 A 20210506; JP 7217691 B2 20230203; KR 20220025031 A 20220303; US 2022341129 A1 20221027; WO 2021085477 A1 20210506

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